

Methods for Preventing Inhibition of Nucleic Acid Synthesis by Pyrophosphate

Abstract

5 Methods for preventing inhibition of nucleic acid synthesis by
pyrophosphate are disclosed. More specifically, the present invention concerns
inhibiting or preventing pyrophosphorolysis in sequencing and amplification of
nucleic acid molecules. According to the present invention, an enzyme which is
a pentosyltransferase, a phosphotransferase with an alcohol group as acceptor, a
10 nucleotidyltransferase, or a carboxy-lyase is added to the reaction which serves to
remove pyrophosphate from the reaction mixture.

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